

FIG. 1

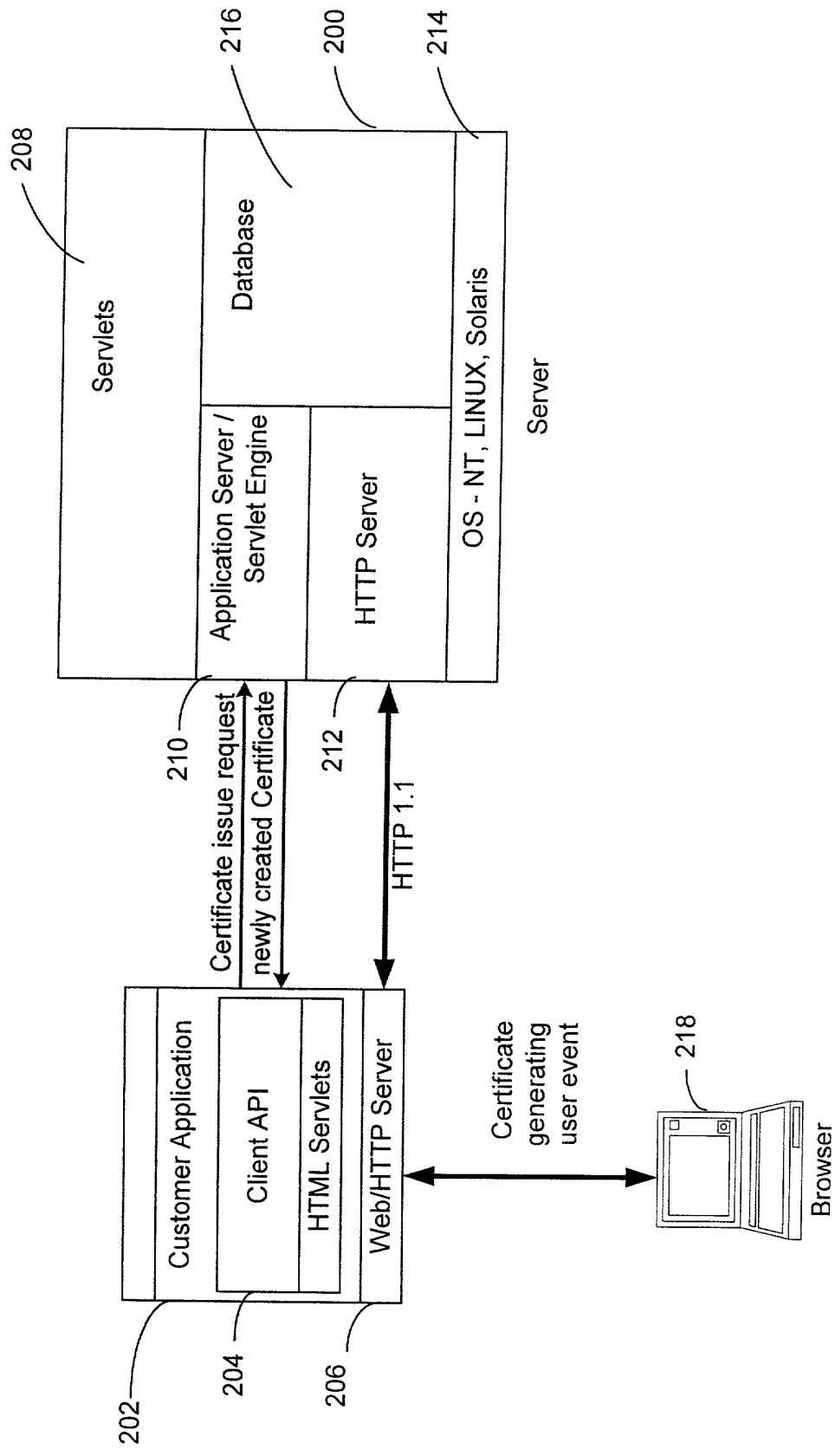
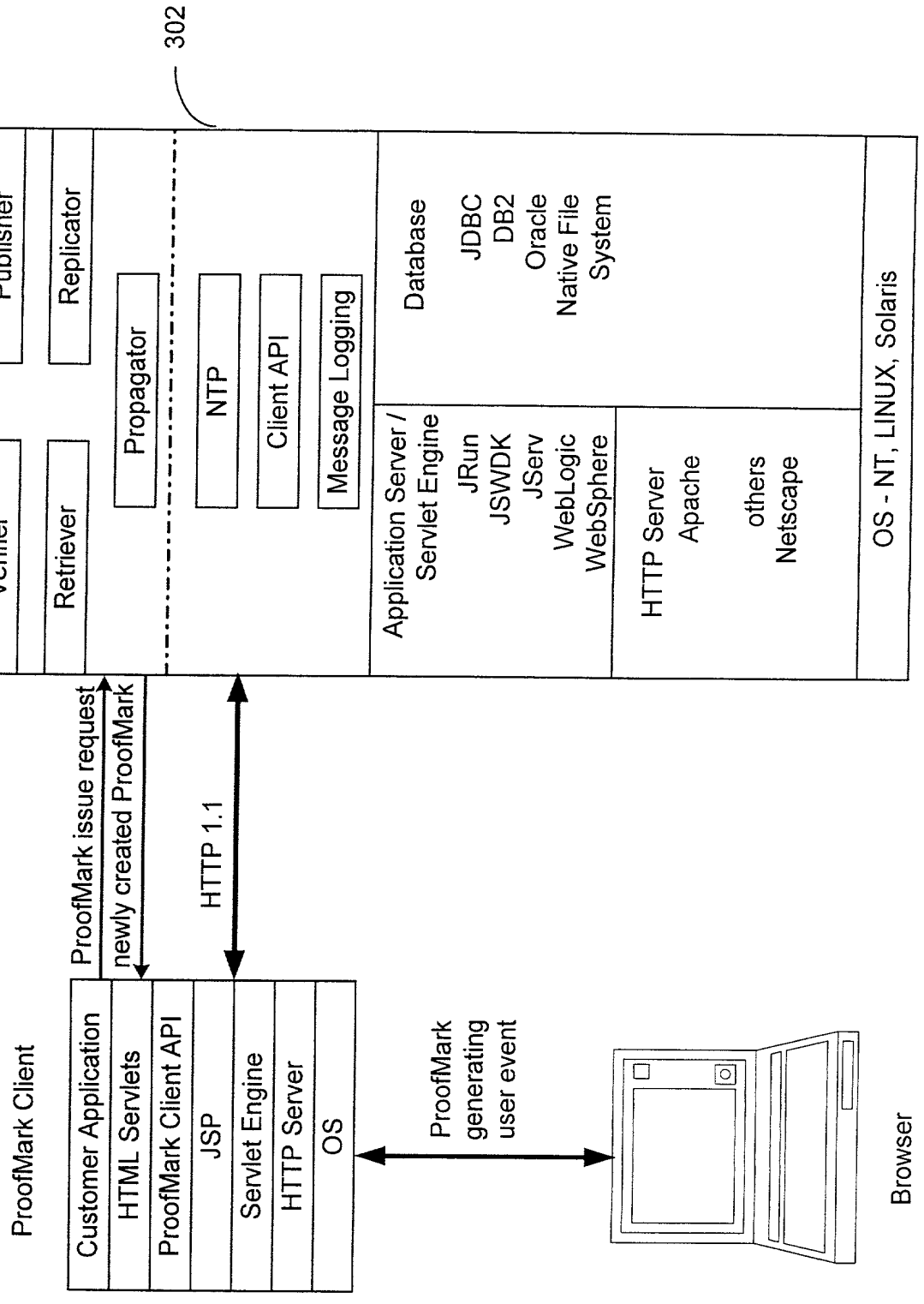


FIG. 2

FIG. 3



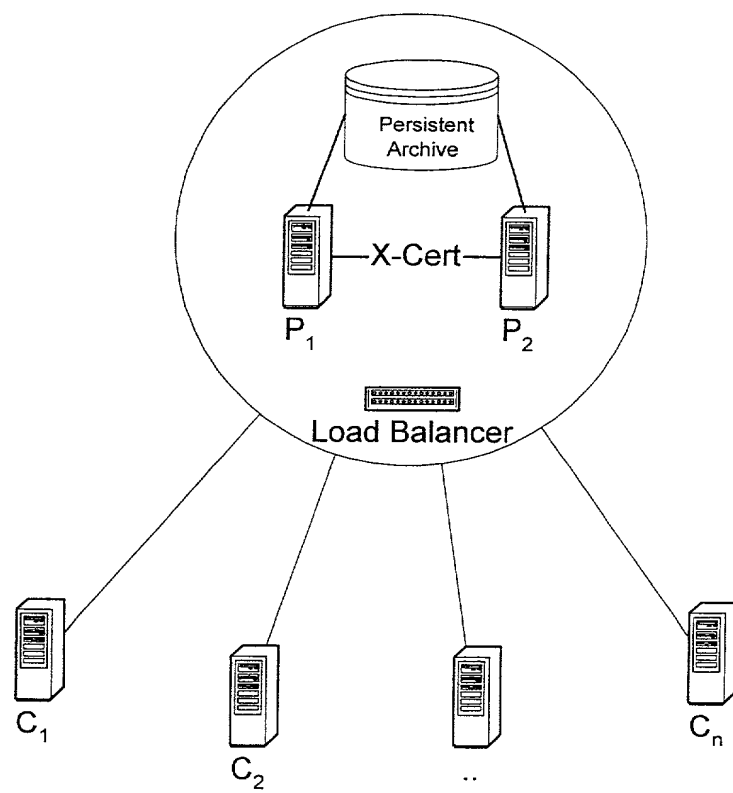


FIG. 4

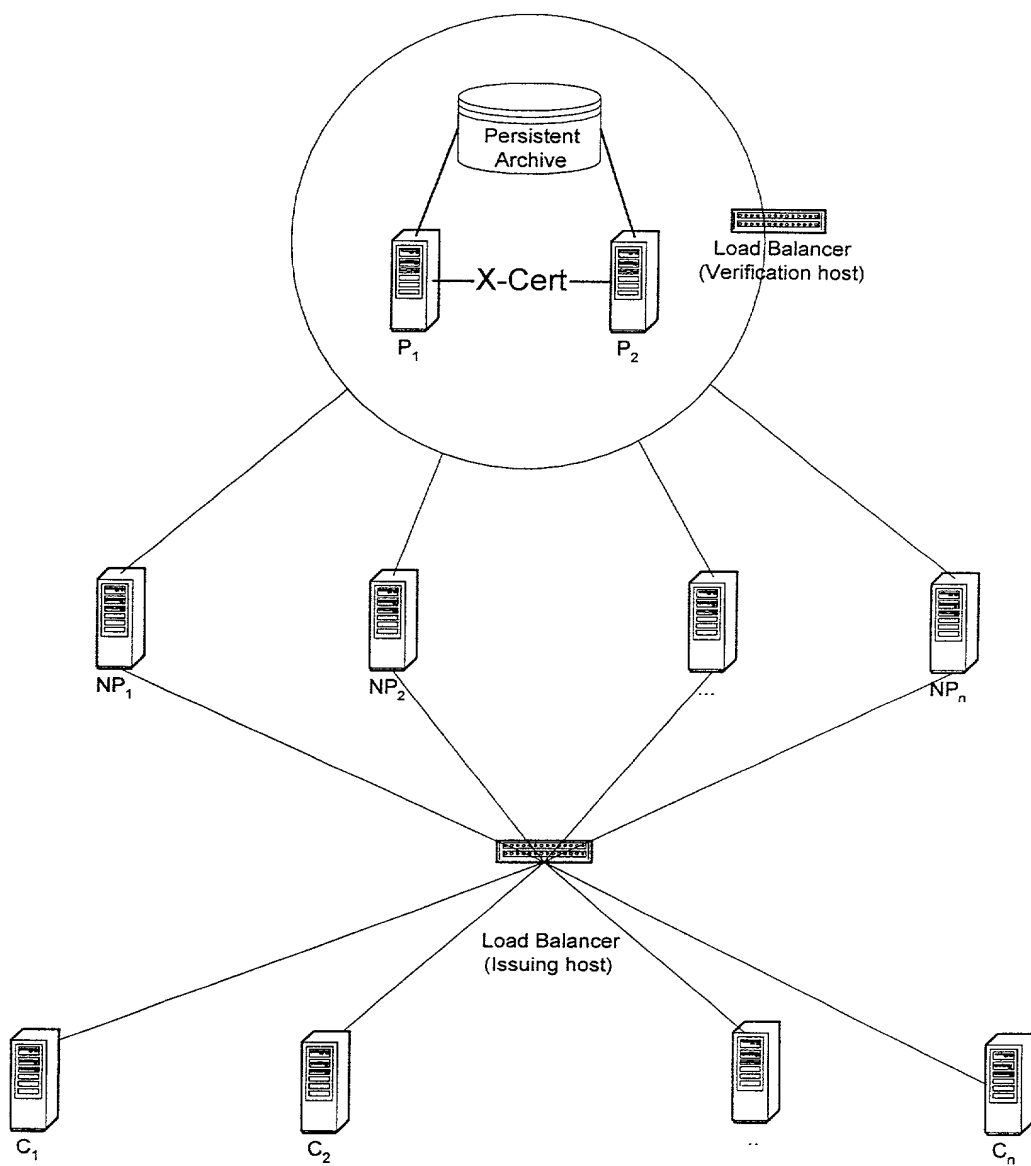


FIG. 5

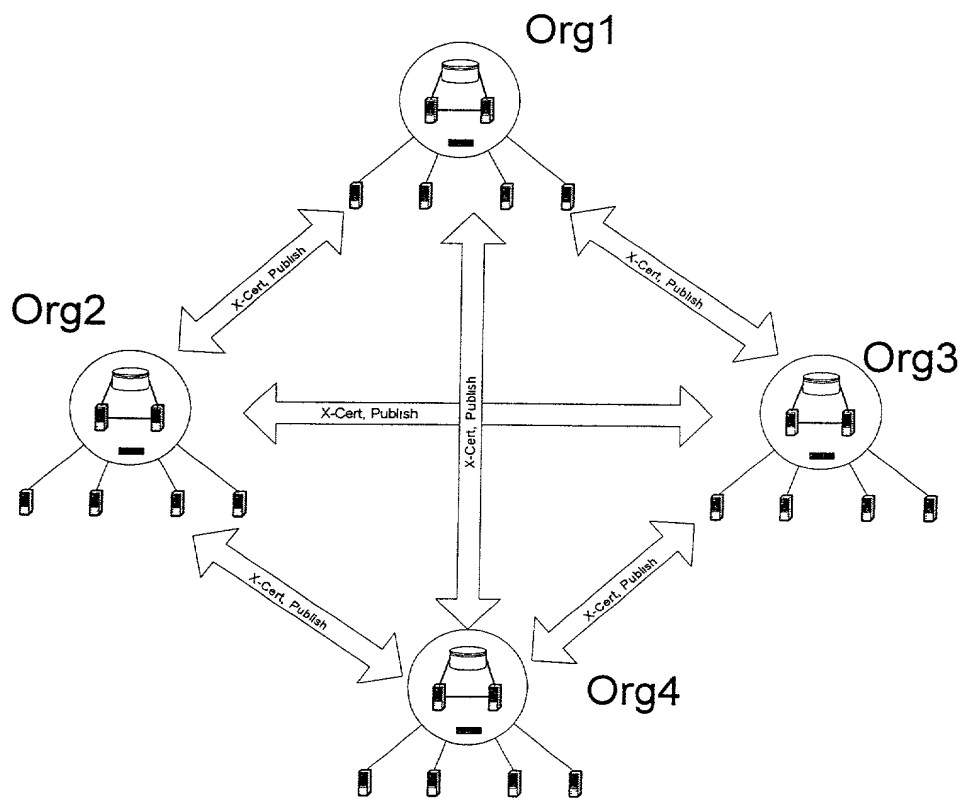


FIG. 6

FIG. 7 is a diagram illustrating a network architecture for X-Cert, Publish.

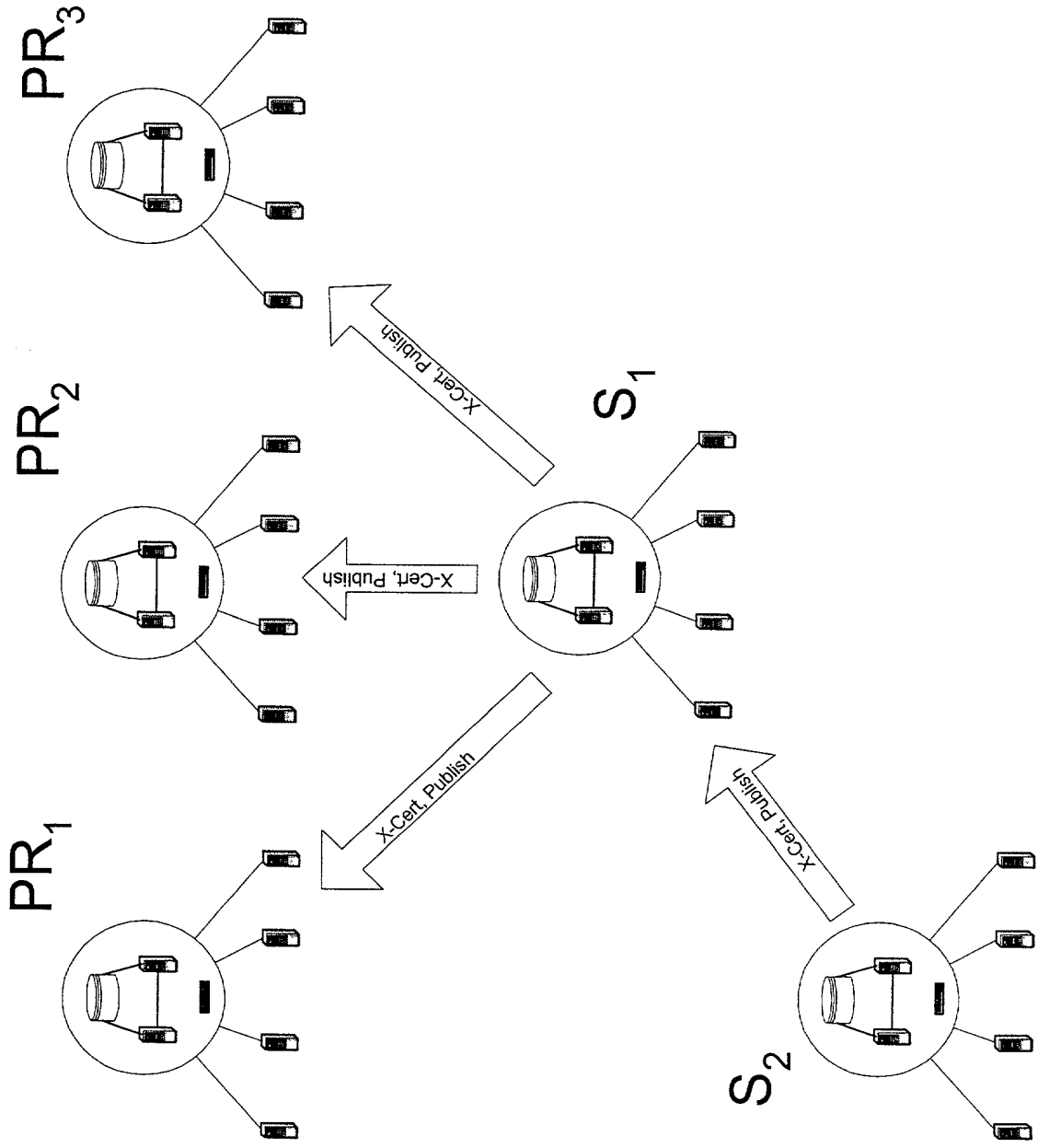


FIG. 7

800

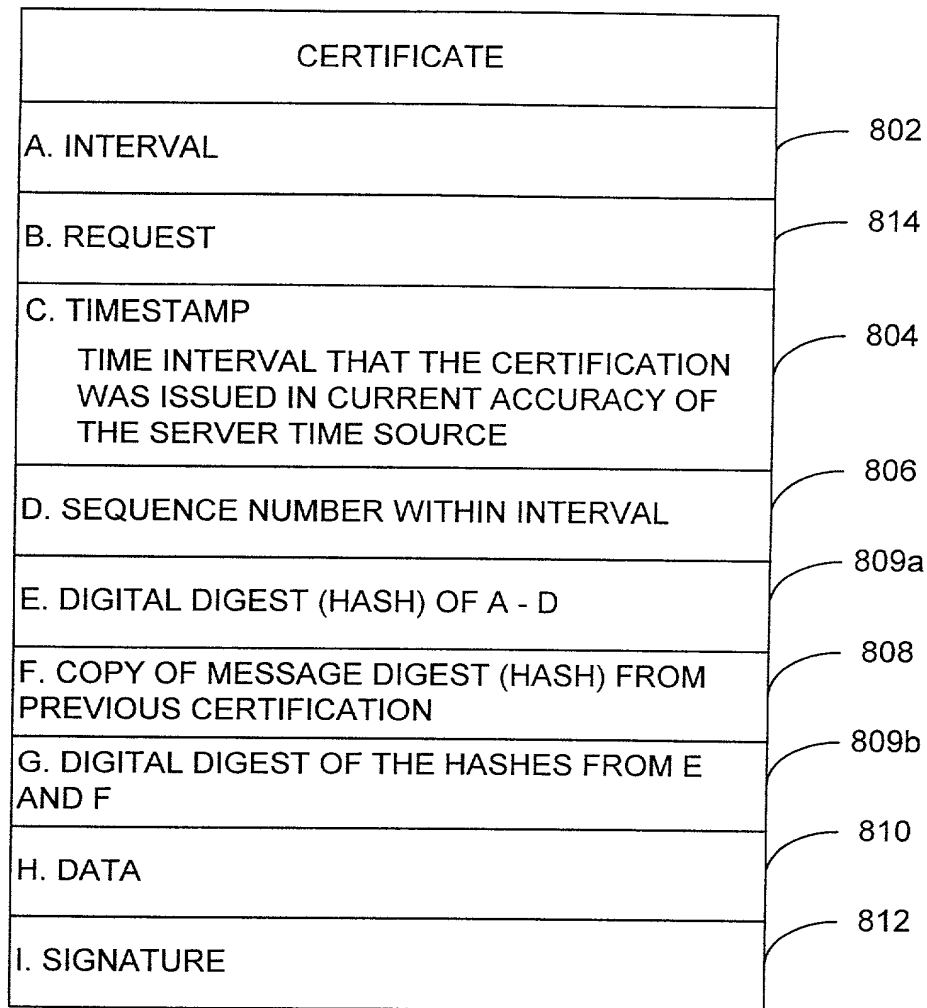


FIG. 8

900

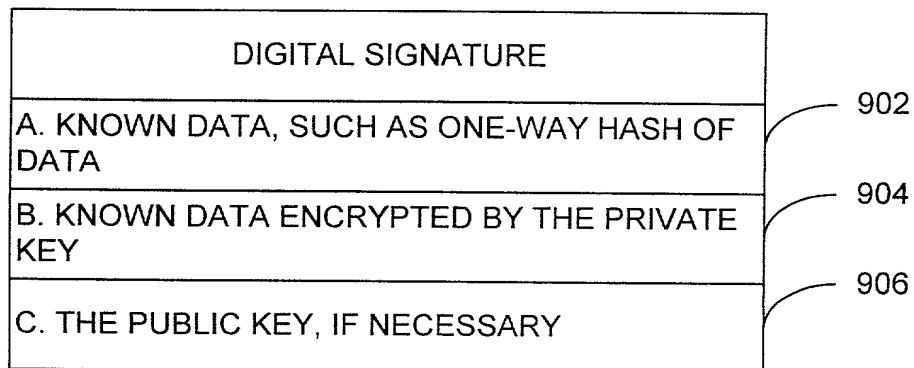


FIG. 9

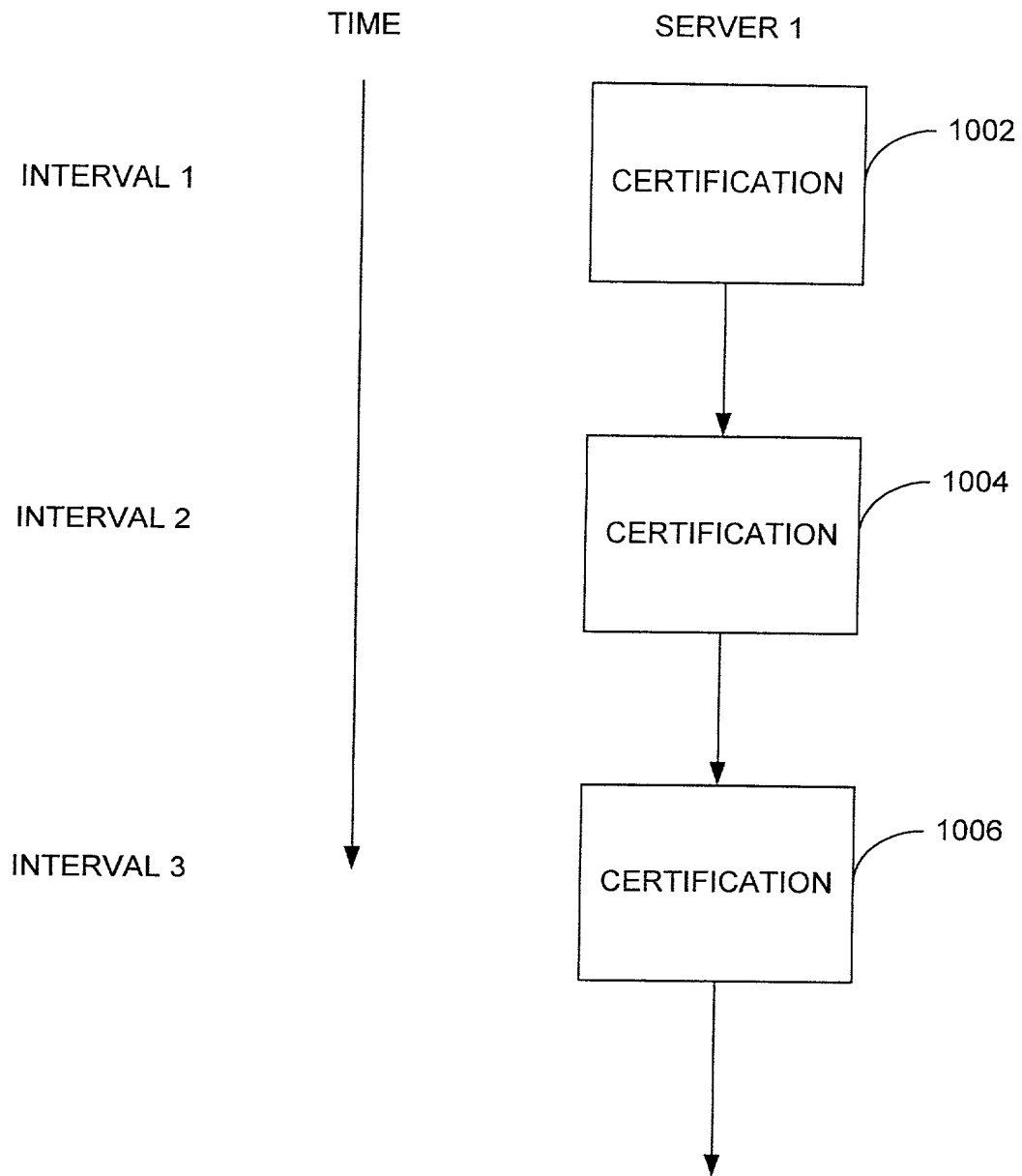


FIG. 10

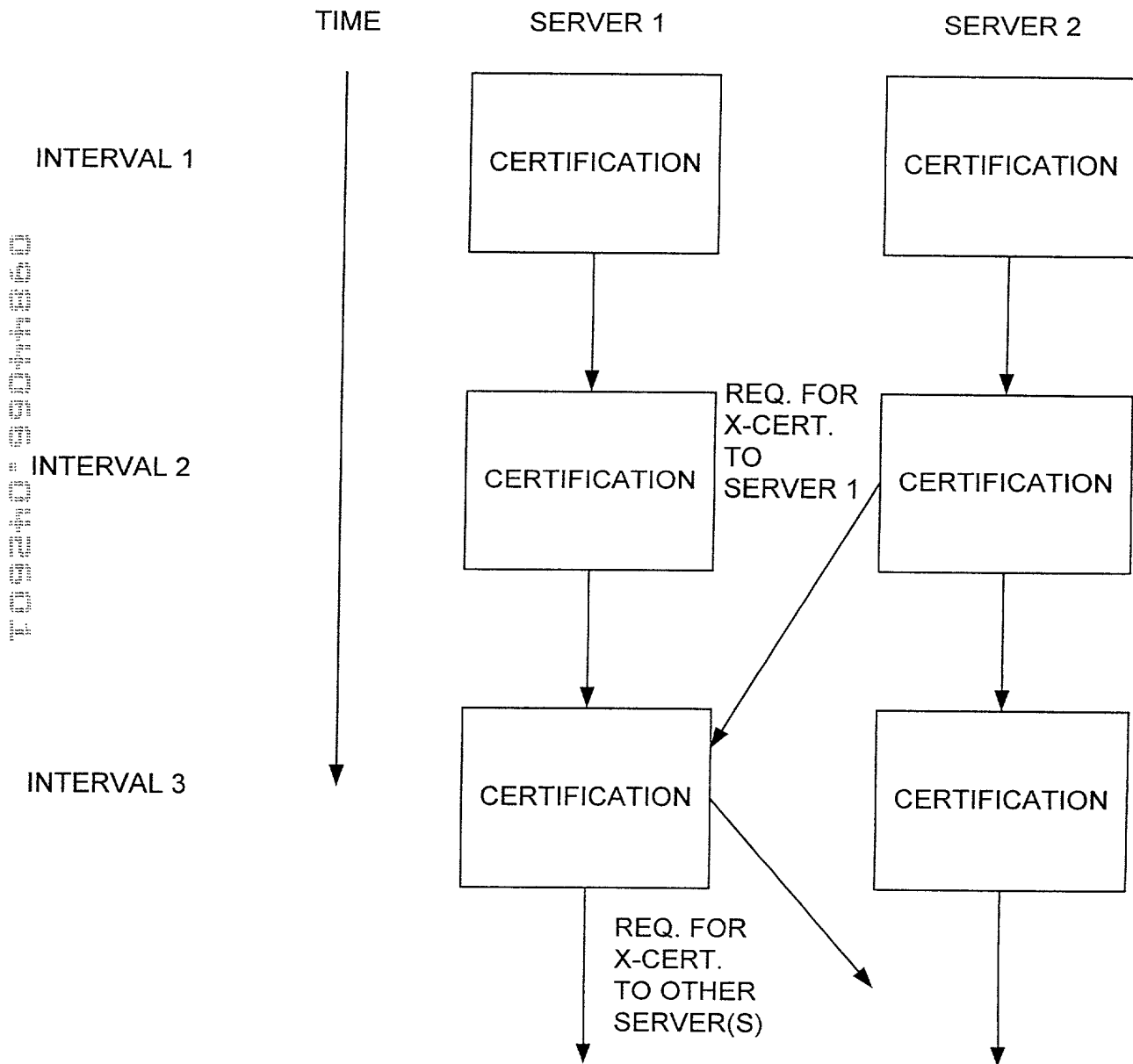


FIG. 11

1200

CROSS-CERTIFICATION REQUEST	
A. ACTUAL DATA OR A REFERENCE TO THE ACTUAL DATA	1202
B. ONE-WAY HASH OF THE ACTUAL DATA	1204
C. IDENTIFICATION OF THE RECIPIENT OF THE CERTIFICATION	1206

FIG. 12

1300

INTERVAL CROSS-CERTIFICATION (ISSUED DURING AN INTERVAL OTHER THAN THE ONE FOR WHICH CERTIFICATION IS REQUESTED)	
A. CURRENT INTERVAL	1302
B. REQUEST FOR CROSS-CERTIFICATION	1304
C. TIMESTAMP TIME INTERVAL THAT THE CROSS- CERTIFICATION WAS ISSUED IN CURRENT ACCURACY OF THE SERVER TIME SOURCE	1306
D. SEQUENCE NUMBER WITHIN CURRENT INTERVAL	1308
E. DIGITAL DIGEST (HASH) OF A-D	1310
F. COPY OF MESSAGE DIGEST (HASH) FROM PREVIOUS CERTIFICATION	1312
G. DIGITAL DIGEST OF THE HASHES FROM E AND F	1314

FIG. 13

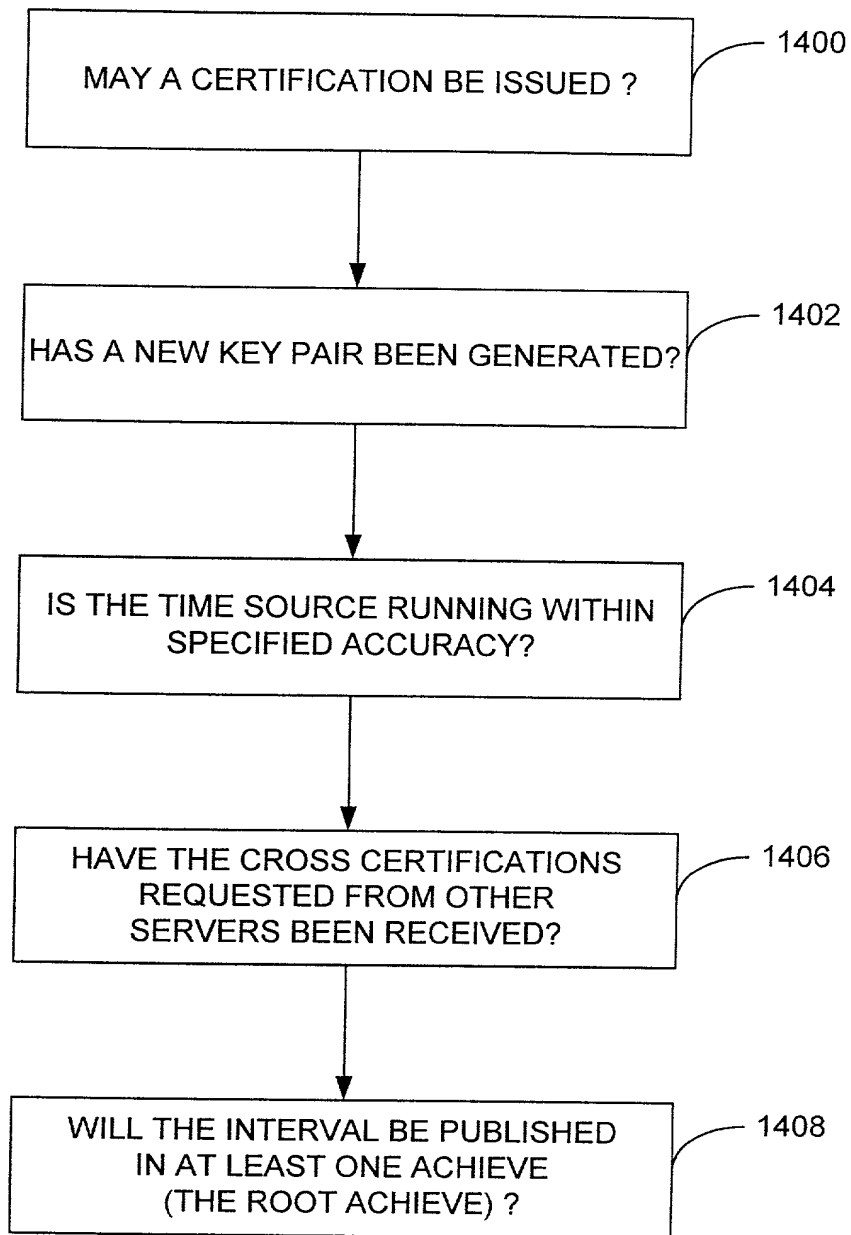


FIG. 14

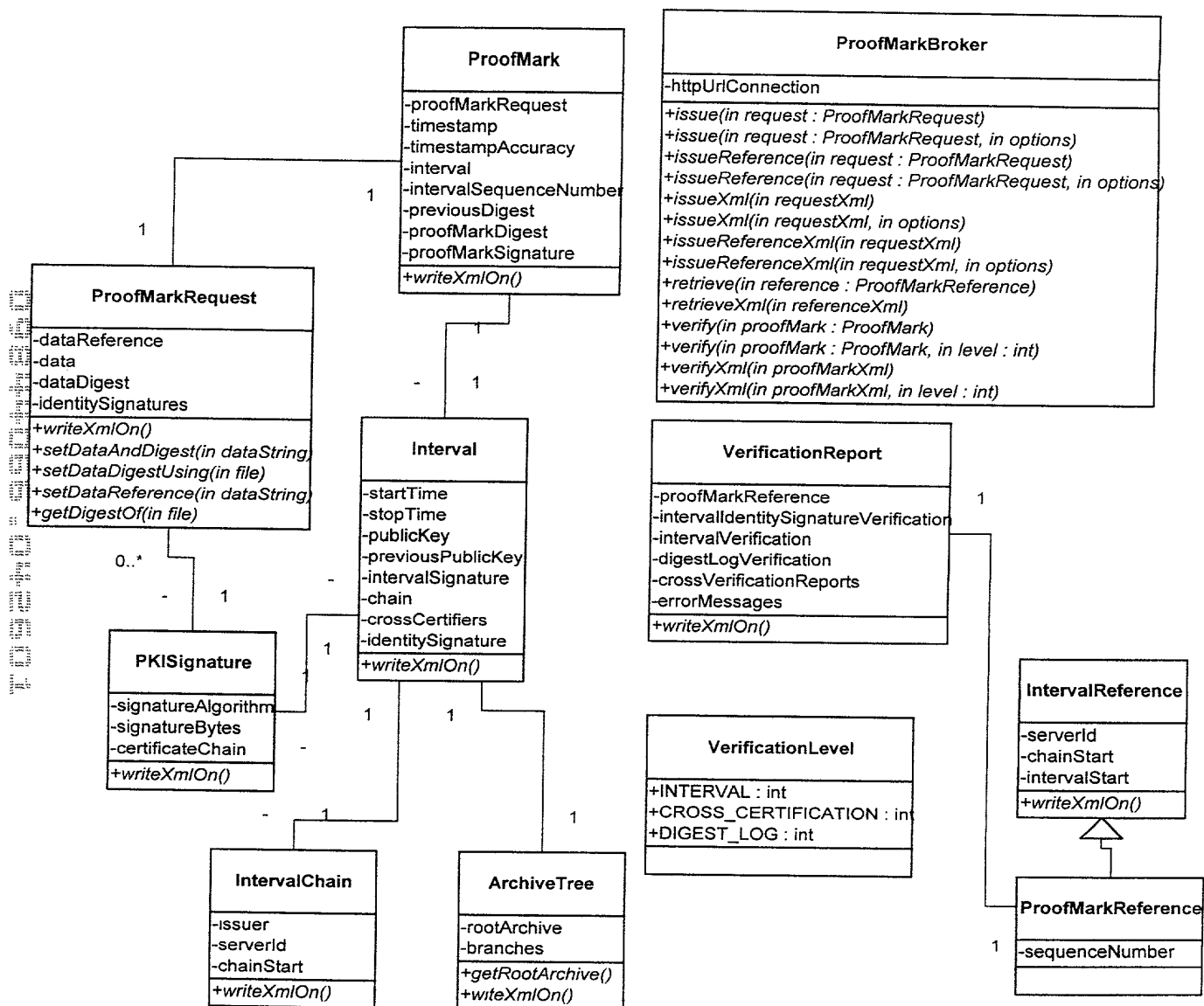


FIG. 15

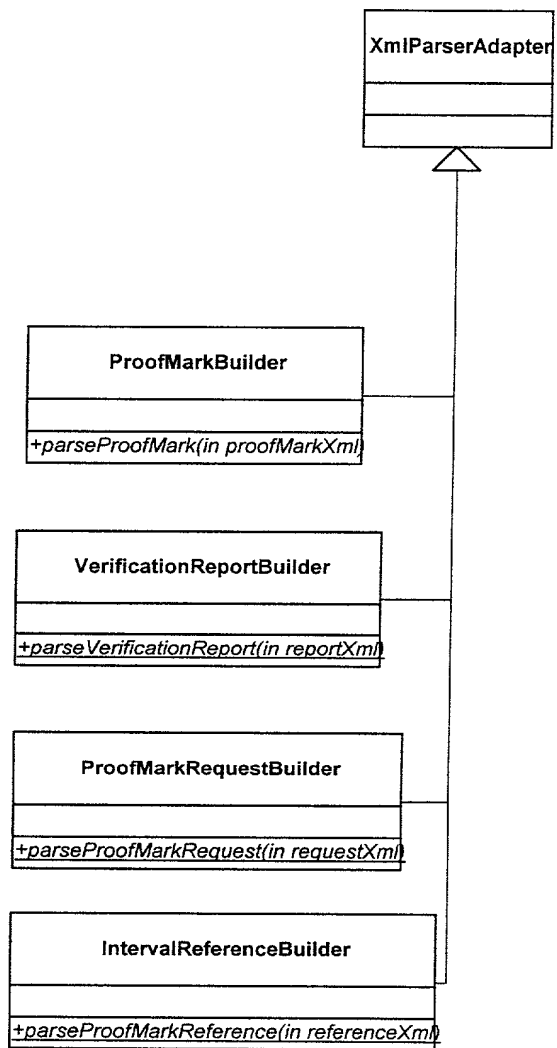


FIG. 16

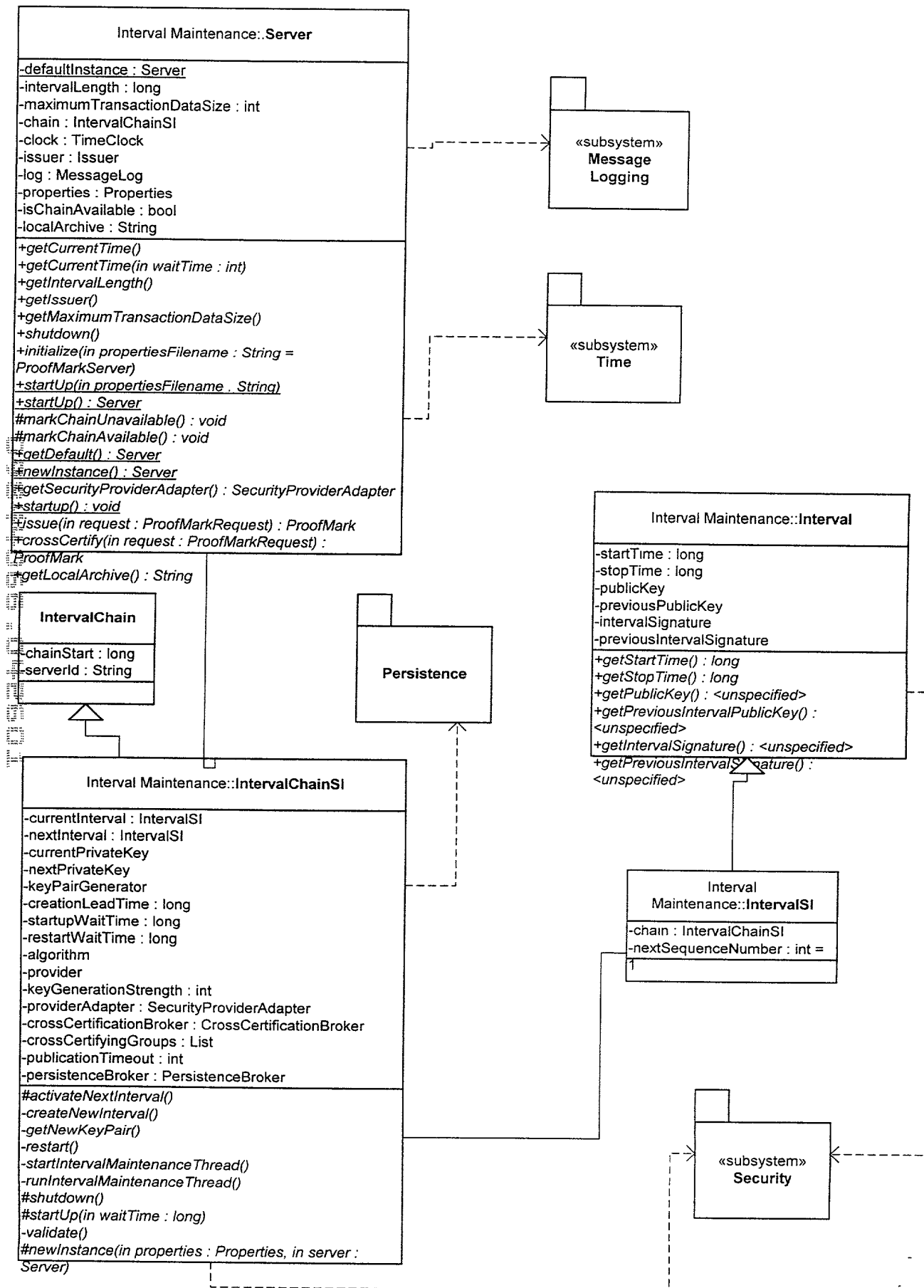


FIG. 17

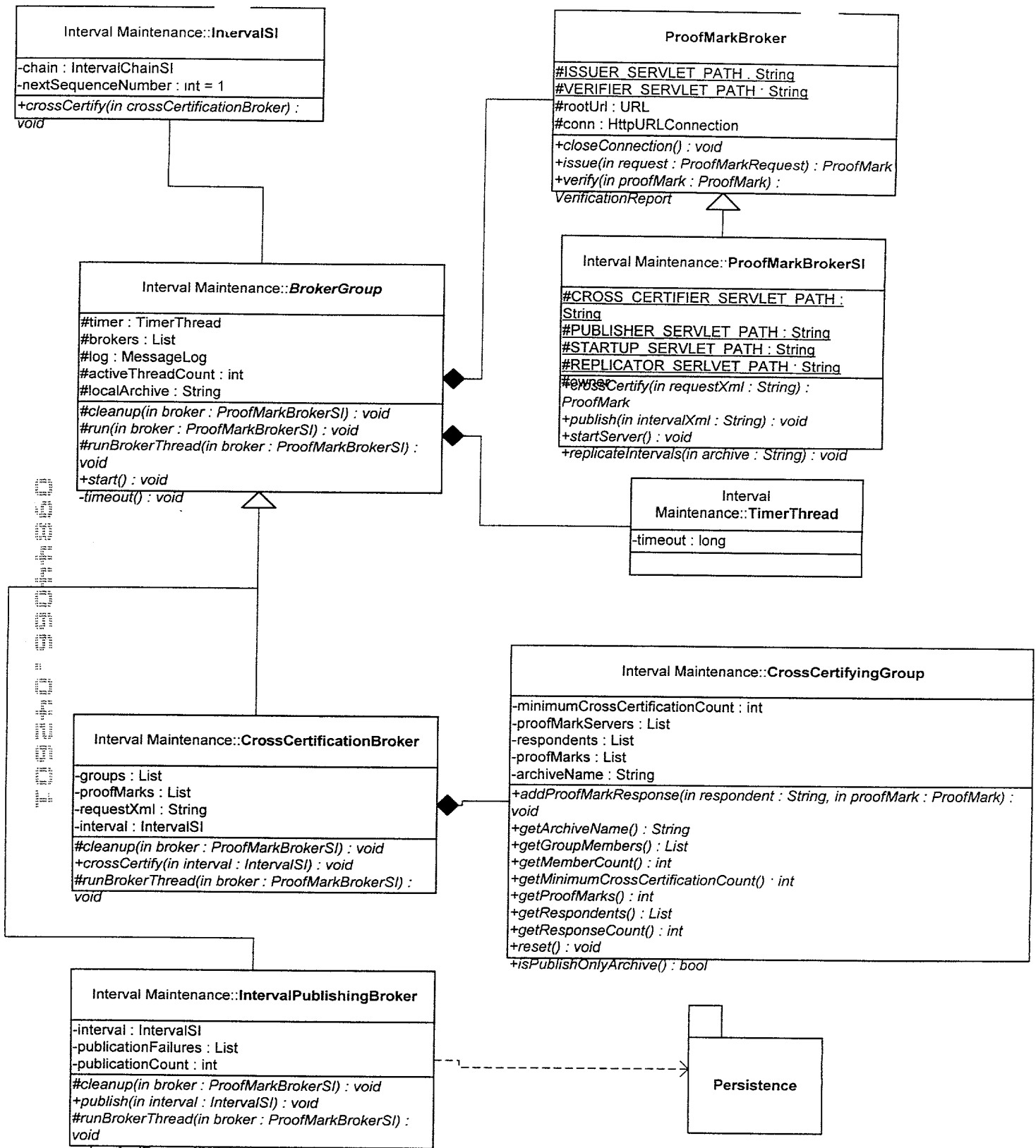


FIG. 18

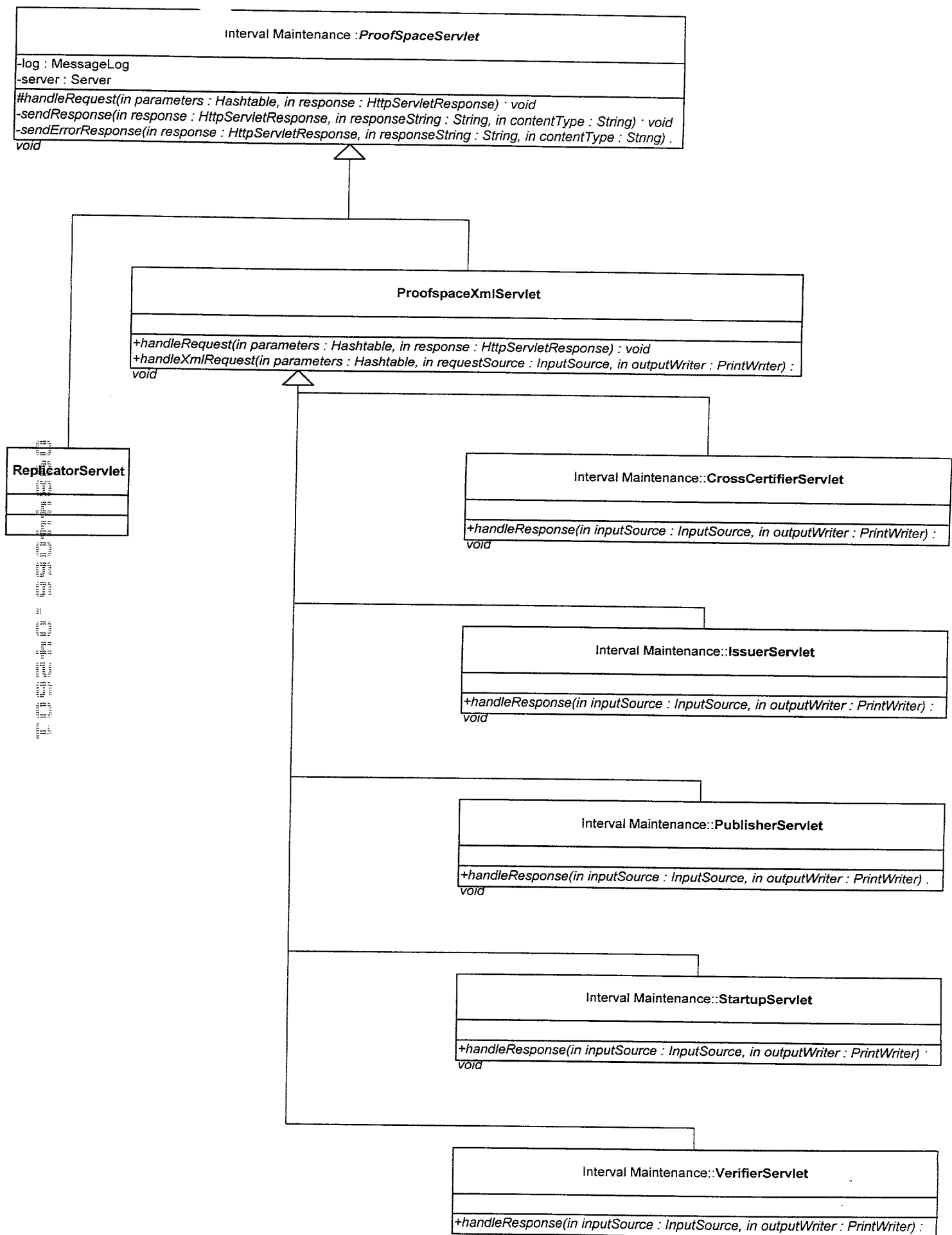


FIG. 19

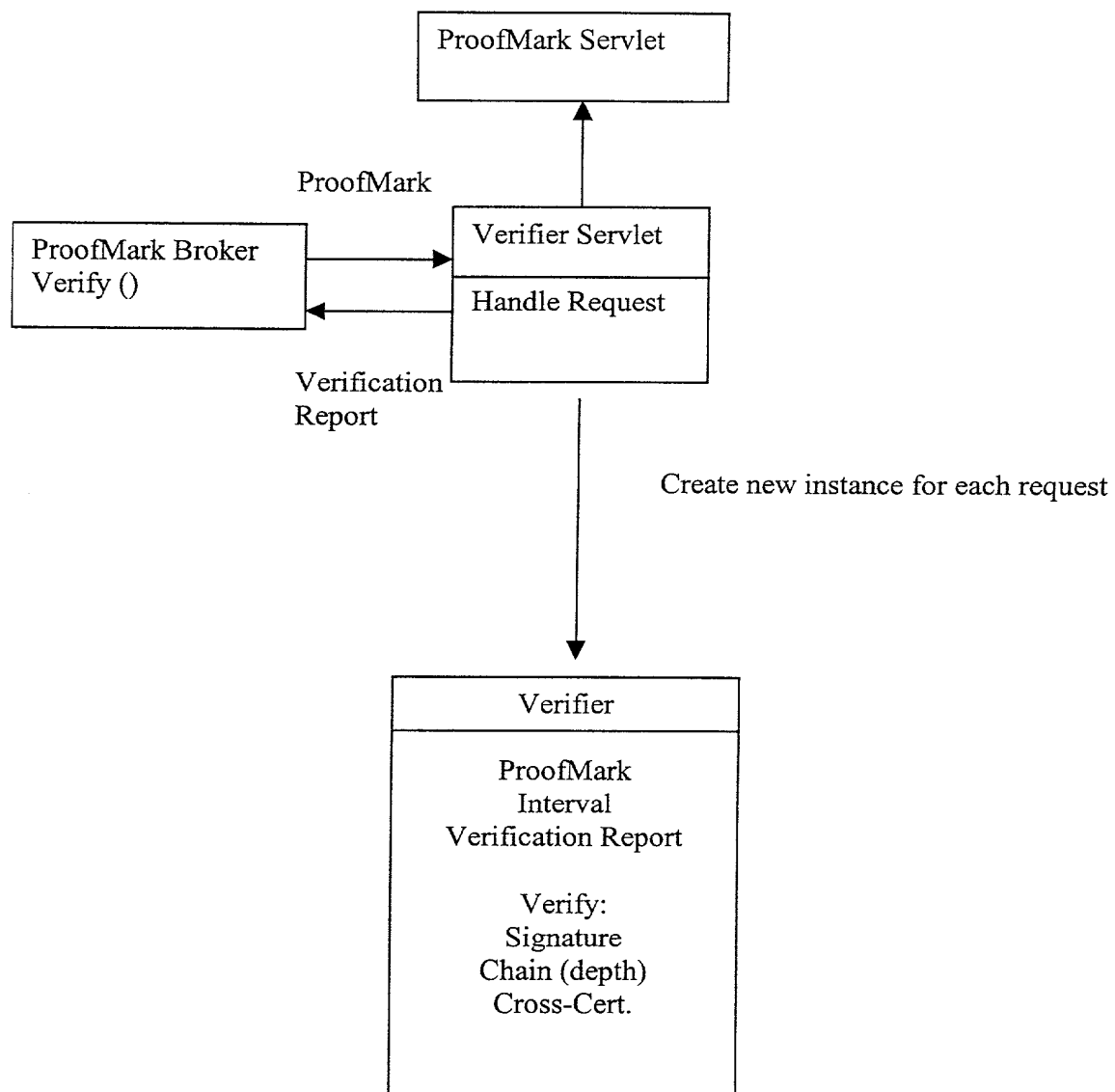


FIG. 20

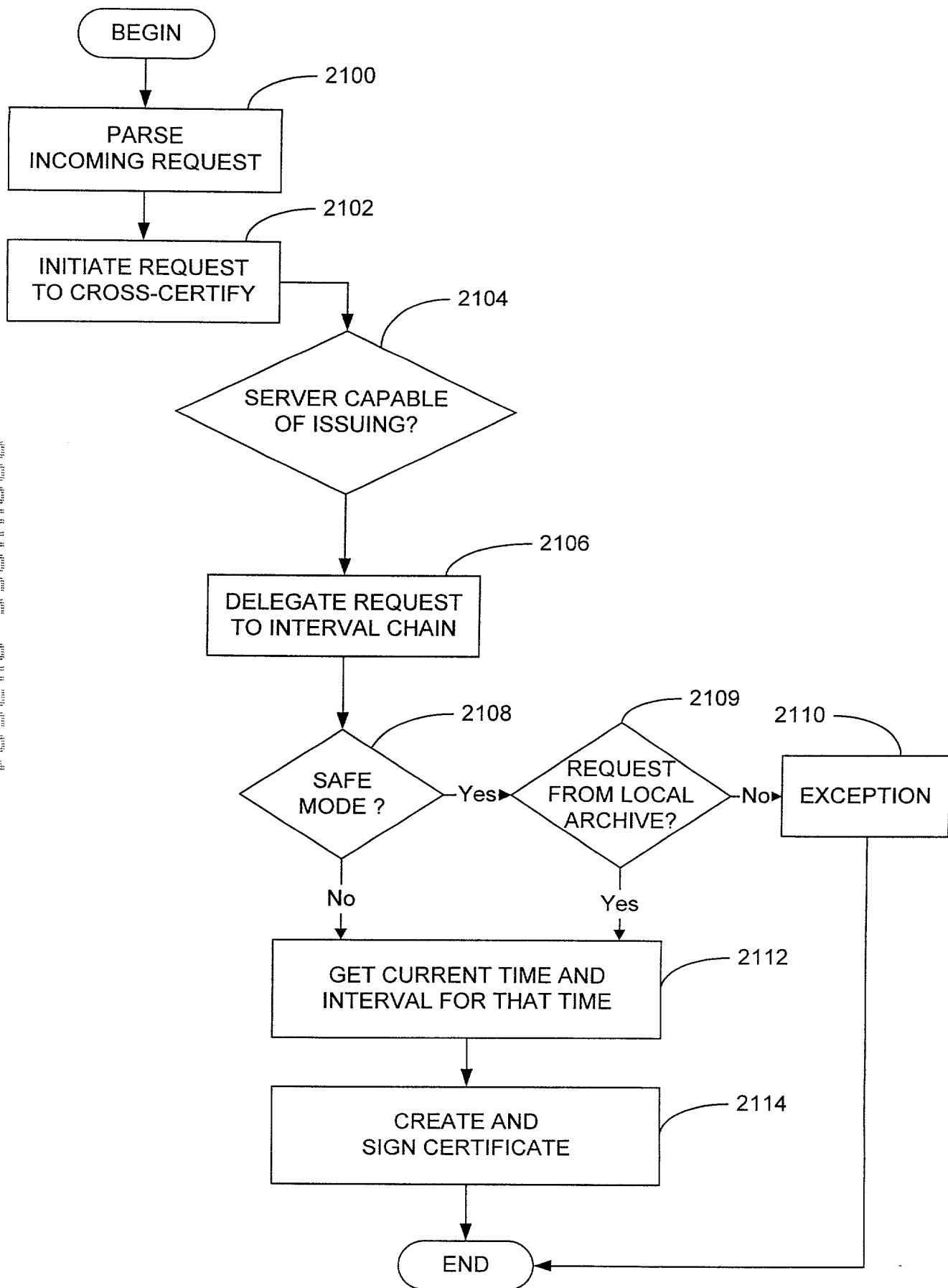


FIG. 21

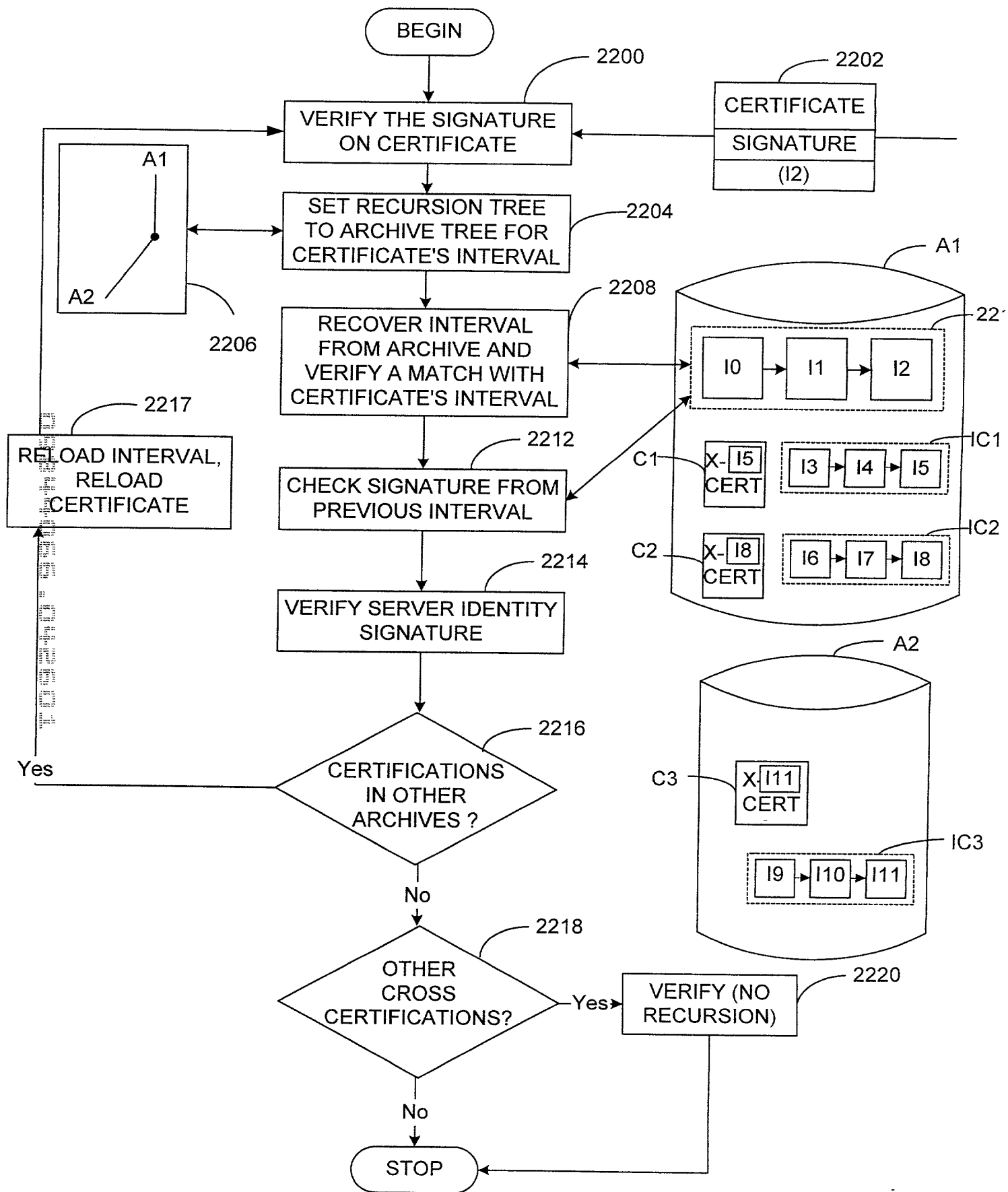


FIG. 22